

# ***LOAD-HAUL-DUMPS (LHDs)***

---

## **A. Original Equipment Manufacturer (OEM)**

The following is a listing of the OEMs for load-haul-dumps (LHDs). Local dealers may be contacted for details.

<b>MANUFACTURER</b>	<b>NOISE CONTROLS</b>
Atlas-Copco-Wagner, Inc.	Exhaust silencer/cowl-type muffler; absorptive material under canopy. A fully enclosed, sound-suppressed operator cab is available with air conditioning on Model ST-7.5Z.
Dux Machinery Corporation	Exhaust silencer/cowl-type muffler
Mining Technologies International, Inc.	Cowl-type muffler - operator cab
Tamrock EJC USA, Inc.	Cowl-type muffler; absorptive material under canopy.
Caterpillar-Elphinstone	Exhaust muffler, fully enclosed and sound suppressed, air conditioned operator cab.

## B. Retrofit Noise Controls

The standard noise controls, which can be applied to all LHDs, include sealing the openings between the operator's compartment and the transmission compartment, installing an appropriately matched exhaust silencer/muffler, and applying acoustical materials.

MANUFACTURER	SEAL OPENINGS	EXHAUST SYSTEM	ACOUSTICAL MATERIALS	SOUND SUPPRESSED CAB
Atlas-Copco-Wagner	X	X	X	
Dux Machinery Corp.	X	X	X	
Mining Technologies	X	X	X	In near future
Tamrock EJC USA	X	X	X	
Caterpillar-Elphinstone	X	X	X	X

"X" indicates product availability.

The cost of exhaust mufflers depends on engine size and machine configuration. The price can range from \$150 to \$700.

The cost of acoustical materials depends on the size of the machine.

## C. Alternative Technology



Remote Controls - In certain situations, remote controls can be used as a noise control by increasing the distance between the operator and the machine. Manufacturers of load-haul-dumps (LHDs) can provide details on remote control systems for their machines.